

PDV-100 Optima Arrester (29 kV  
Uc, CCAA Hardware)

By OHIO BRASS  
Catalog # 294229CCAA

IEEE Heavy Duty / IEC Distribution High Polymer Housed Surge  
Arrester

Features

- Over 35 years of excellent field performance with over 40 million distribution arresters installed
- Long lasting ESP™ housing material with superior mechanical strength and electrical characteristics
- Reliable capacitive disconnector operates at fault currents as low as 1 Amp
- Dynamic triple sealing system protects internal components from moisture ingress to extend service lifetime
- High quality MOV discs made in Wadsworth, Ohio since 1978
- Arresters assembled in Aiken, South Carolina
- 100% routine tested

Application

Distribution

General

Bracket Type	None
Catalog Number	294229CCAA
Color	Gray Housing
Material	ESP™ Polymer Housing
Type	Distribution
UPC	096359736905

Dimensions

Stud Type	M12
-----------	-----

Electrical Ratings

Creep and Leakage Distance	50.4 in (1280 mm)
Current - Low Current Long	250
Duration (LCLD) Test	
Duty Cycle	3 kV
Frequency Rating	48-62 Hz
MCOV	29 kV



Maximum .5 Microsecond Discharge Volts @ Classifying Current	126.3 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"><li>• 91.3 kV @ 1.5 kA</li><li>• 97.8 kV @ 3 kA</li><li>• 103.5 kV @ 5 kA</li><li>• 112.9 kV @ 10 kA</li><li>• 128.3 kV @ 20 kA</li><li>• 151.2 kV @ 40 kA</li></ul>
Maximum Switching Surge Protective Level @ 500A	83.5 kV
Pressure Relief Capability- Symmetrical rms (kA)	20
Time - Low Current Long Duration (LCLD) Test	2000 Qs
Withstand Voltage - 60 Hz Wet	7.8
Withstand Voltage - Lightning Impulse	15.8

Product Assets

[Brochures - Ohio Brass Sets the Standards for Arresters](#)  
[Catalogs - Arresters IEEE & IEC Distribution Class](#)  
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - Chinese](#)  
[Installation Manuals - PDV-PVR Polymer Distribution Class Arrester Installation Instructions](#)  
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - Spanish](#)  
[Installation Manuals - Installation Instructions for PDV/PVR Arresters - French](#)  
[ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)  
[Literature - Lightning Surge Arresters](#)  
[Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)  
[Literature - Hubbell Arrester and Wildlife Guard Solution Kits](#)  
[Specifications - 294229CCAA](#)  
[Video - Hubbell Power Systems Metal Oxide Varistor](#)  
[Video - Hubbell Power Systems In Depth: Distribution Arresters](#)